

**SCHOOL OF MEDICINE  
PRE-MEDICAL HEALTH SCIENCES GRADUATE CERTIFICATE PROGRAM**

***ADVICE ON FALL ELECTIVES***

1. For those planning to go to medical or dental school:

**ANAT 611 Histology**- 5 credit hours- b/c it's a subject which is part of the first year professional curriculum; this has a microscope lab

2. For those with a long-term interest in hematology/ oncology (cancer), although you would not see this subject in your first year professional curriculum (it's a course in M-II):

**MICR 505 Immunobiology**- 3 credit hours

3. For those with an undergraduate background and interest in Neurobiology who may / or may not stay for the Masters Program and do research in neuroscience:

**NEUS 609 Cellular & Molecular Neuroscience**- 4 credit hours- an advanced course in neuroscience

4. For those planning to stay the second year for the Masters in Genetic Counseling:

**HGEN 501 Human Genetics**- 3 credit hours  
**BIOS 543 Statistical Methods**- 3 credit hours

5. For those interested in research consider a one-hour Pass/Fail course that will acquaint you with contemporary areas of biomedical research.

**ANAT 690** in the Dept. of Anatomy & Neurobiology is primarily on neuroscience research

6. If you think you may stay the second year to do a research thesis for a Masters degree, you may consider taking a laboratory rotation with a faculty member in your area of interest. This would normally be done in the Spring Semester, but could in special circumstances be done in the fall. You therefore have the option of registering for directed research (**ANAT 697, PHIS 697, etc.**) with variable hours in any basic science department.

Please note that **Meet the Lab** is a voluntary activity with no credits, TBA during the Fall Semester primarily to help those going on the MS degree in the 2<sup>nd</sup> year.

\*\* You should plan to take 15 credit hours in the Fall semester, but exceptions are possible.